

Product datasheet for **RC206850**

GNAI3 (NM_006496) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GNAI3 (NM_006496) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GNAI3
Synonyms:	87U6; ARCND1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206850 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTGCACGTTGAGCGCCGAAGACAAGGCGGCAGTGGAGCGAAGCAAGATGATCGACCGCAACTTAC
GGGAGGACGGGAAAAAGCGCCAAAGAAGTGAAGCTGCTGCTACTCGGTGCTGGAGAATCTGGTAAAAAG
CACCATTGTGAACAGATGAAAATCATTATGAGGATGGCTATTCAGAGGATGAATGTAACAATATAAA
GTAGTTGTCTACAGCAACTACTATACAGTCCATCATTGCAATCATAAGAGCCATGGGACGGCTAAAGATTG
ACTTTGGGAAGCTGCCAGGCAGATGATGCCCGCAATTATTTGTTTTAGCTGGCAGTGTGAAGAAGG
AGTCATGACTCCAGAAGTACGAGGAGTATTAACGGTTATGGCGAGATGGTGGGTACAAGCTTGCTTC
AGCAGATCCAGGGAATATCAGCTCAATGATTCTGCTTCATATTATCTAAATGATCTGGATAGAATATCCC
AGTCTAACTACATTCCAAGTCAAGATGTTCTCGGACGAGAGTGAAGACCACAGGCATTGTAGAAAAC
ACATTTCACTTCAAAGACCTATACTTCAAGATGTTTGTAGTGGCCAAAGATCAGAACGAAAAAAG
TGGATCACTGTTTTGAGGGAGTGACAGCAATTCTTCTGTGTGGCCCTCAGTGATTATGACCTTGTTCT
TGGCTGAGGACGAGGAGATGAACCGAATGCATGAAAGCATGAACTGTTTGACAGCATTGTAATAACAA
ATGGTTTACAGAACTTCAATCATTCTCTTCTTAAACAAGAAAGACCTTTTTGAGGAAAAATAAAGAGG
AGTCCGTTAACTATCTGTTATCCAGAATACACAGGTTCCAATACATATGAAGAGGCAGCTGCCTATATTC
AATGCCAGTTTGAAGATCTGAACAGAAGAAAAGATACCAAGGAGATCTATACTCACTTCACTGTGCCAC
AGACACGAAGAATGTGCAGTTTGTGTTTGTGCTGTTACAGATGTCATCATTAAAAACAACCTTAAAGGAA
TGTGGACTTTAT

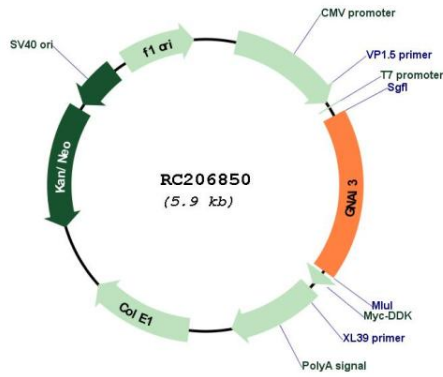
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



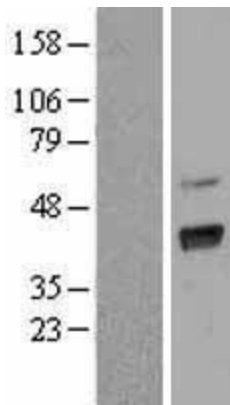
[View online »](#)

Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_006496.4
RefSeq Size:	4748 bp
RefSeq ORF:	1065 bp
Locus ID:	2773
UniProt ID:	P08754
Cytogenetics:	1p13.3
Domains:	G-alpha
Protein Families:	Druggable Genome
Protein Pathways:	Axon guidance, Chemokine signaling pathway, Gap junction, Leukocyte transendothelial migration, Long-term depression, Melanogenesis, Progesterone-mediated oocyte maturation, Tight junction
MW:	40.5 kDa
Gene Summary:	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling pathways. G proteins are composed of 3 units: alpha, beta and gamma. This gene encodes an alpha subunit and belongs to the G-alpha family. Mutation in this gene, resulting in a gly40-to-arg substitution, is associated with auriculocondylar syndrome, and shown to affect downstream targets in the G protein-coupled endothelin receptor pathway. [provided by RefSeq, Jun 2012]

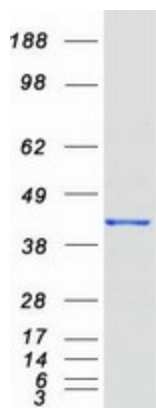
Product images:



Circular map for RC206850



Western blot validation of overexpression lysate (Cat# [LY401948]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206850 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified GNAI3 protein (Cat# [TP306850]). The protein was produced from HEK293T cells transfected with GNAI3 cDNA clone (Cat# RC206850) using MegaTran 2.0 (Cat# [TT210002]).